SHEET_I OF 3 M PTO-1449 **DOCKET NUMBER** APPLICATION NUMBER 338CON2 10/797,845 INFORMATION DISCLOSURE APPLICANT(S) CITATION IN AN APPLICATION Donald J. Lewis et al FILING DATE **GROUP ART UNIT** March 9, 2004 3748 U.S. PATENT DOCUMENTS EXAMINER DOCUMENT DATE NAME CLASS SUB FIL. DATE INITIAL NUMBER CLASS IF APPROP. TMN 5,274,559 12-28-93 Takahashi et al 7-5-94 5,325,664 Seki et al 5,509,267 4-23-96 Thesis 5,595,060 1-21-97 Togai et al 5,609,023 3-11-97 Katoh et al 3-11-97 5,610,844 Maus et al 5,625,750 4-29-97 Puskorius et al 5,626,014 5-6-97 Hepburn et al 5,649,420 7-22-97 Mukahira et al 5,678,402 10-21-97 Kitigawa et al 5,732,551 3-31-98 Katoh et al FOREIGN PATENT DOCUMENTS DOCUMENT DATE COUNTRY CLASS SUB TRANSLATION NUMBER CLASS YES NO TMN 0733787 9-25-96 EP TMN 0831226 3-25-98 EP TMN 2344771 6-21-00 GB OTHER DOCUMENTS SAE 1999-01-3476, "A Simplified Approach to Modeling Exhaust System Emissions: SIMTWC", TMN Laing et al JAMES C. PEYTON et al; A Simplified Model for the Dynamics of a Three-Way Catalytic TMN

Converter; Reprinted from: Exhaust Aftertreatment Modeling and Gasoline Direct Injection

conditions; Wei-Ming Wang; Congress and Exposition, Cobo Hall, Detroit, MI, 2/25-29, 1980

TMN

EXAMINER

Tu M. Nguyen

Aftertreatment (SP-1533) SAE International Technical Paper Series, Warrendale, Pennsylvania, USA SAE 800052 Air-Fuel Control to reduce emissions, II. Engine-catalyst characterization under cyclic

DATE CONSIDERED

7/11/04

| FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | | DOCKET NUMBER APPLICATION NUMBER 10/797,845 | | | | | | |
|---|--------------------|-----------|---|---------------|----------|---------|------------------------|----------------|--|
| | | | APPLICANT(S) Donald J. Lewis et al | | | | | | |
| | | | FILING DATE GROUP ART UNIT 3748 | | | | | 8 | |
| | | U.S. PA | TENT DOCUMENT | S | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | | | | FIL DATE IF APPROP. | | |
| TMN | 5,784,880 | 7-28-98 | Toshiro et al | | | | | | |
| 1 | 5,842,339 | 12-1-98 | Bush et al | | | | 1 | • | |
| | 5,842,340 | 12-1-98 | Bush et al | | | | | | |
| | 5,848,528 | 12-15-98 | Ļiu | | | | | | |
| | 5,857,163 | 1-5-99 | Trombley et al | | | | - | | |
| | 5,881,552 | 3-16-99 | Iwata et al | | | | | | |
| | 5,894,724 | 4-20-99 | Minowa et al | | | | | - 4 | |
| | 5,970,707 | 10-26-99 | Sawada et al | | | | | | |
| | 6,032,461 | 3-7-00 | Kinugasa et al | | | | | | |
| | 6,052,989 | 4-25-00 | McCabe et al | | | | | | |
| The Market Conference of | 6,057,605 | 5-2-00 | Bourne et al | 1.80041 (340) | t nengtr | V | 1, | , | |
| | | FOREIGN F | ATENT DOCUMEN | VTS | | | | | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SU | | TRANS | SLATION NO | |
| TMN | 1061245 | 12-2-00 | EP | | | | | İ | |
| TMN | 2356160 | 5-16-01 | GB | | | | | | |
| TMN | 1128042 | 8-29-01 | EP | | | | - | | |
| | | OTHE | R DOCUMENTS | | | | | | |
| | | | | | | | | | |
| | | | | · | | | | | |
| | | | | | | | | | |
| EXAMINER | Tu M. | Nguyen | DATE CONSIDERED | 7/ | 11/0 | 4 | | | |

| | | | | | | | | | OF | |
|---------------------------------------|------------------------------------|--|--|---------------------|-------------|----------------|---------------------|-----|------------|-----|
| FORM PTO-1 | | DOCKET NUMBER 338CON2 APPLICATION NUMBER 10/797,845 | | | | | | BER | | |
| | ORMATION DISCI ATION IN AN APPI | APPLICANT(S) Donald J. Lewis et al | | | | | | | | |
| i | | | FILING DATE March 9, 2004 | GROUP ART UNIT 3748 | | | | | | |
| | | U.S. PA | FENT DOCUMENTS |) | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | | | | FIL. DAT F APPRO | | | |
| TMN | 6,155,242 | 12-5-00 | Kotwicki et al | , | | + | | | | |
| | 6,170,475 | 1-9-01 | Lewis et al | | | | | | _ | |
| | 6,226,982 | 5-8-01 | Poggio et al | | | | | | | |
| | 2001/0013221 | 8-16-01 | Suzuki et al | | | | | | | |
| | 6,289,673 | 9-18-01 | Tayama et al | | | | | | | |
| | 6,370,868 | 4-16-02 | Kolmanovsky et al | | | | | | | |
| | 6,481,201 | 11-19-02 | Kako et al | | | \prod | | | | |
| <u> </u> | 6,502,389 | 1-7-03 | Katayama et al | | - | $\rfloor \psi$ | | | | |
| | | | | | | | | | | |
| *** | | | | | | | | | | |
| · · · · · · · · · · · · · · · · · · · | Name of the Company of the second | \$2.5 A.L. | in the second se | | | 71.11 | i e ser t | | . <u> </u> | 4.9 |
| | | FOREIGN P | ATENT DOCUMEN | TS | | | | | | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLA | | SUB LASS | TRANSLATION YES N | | NO | |
| TMN | 1253309 | 10-30-02 | EP | | | | | | · | |
| | <u>-</u> | | | | | | | | | |
| | | | | | | | | | | |
| | | ОТНЕ | R DOCUMENTS | | | | | · | _ | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | · | | | | | | | |
| EXAMINER | Tu M. M | lguijen | DATE CONSIDERED | 7/ | 111/0 | 4 | | | | |
| | | | | | | | | | | |